

**TRANSLATION OF PATENT CLAIM PERTAINING TO
GERMAN PATENT No. 728 804 (of 1942)**

Patent Claim

Method of making salts of morphine using aralkyl carboxylic acids, characterized in that either the base is reacted directly with an aralkyl carboxylic acid, the aliphatic side chain of which, inclusive of the carboxyl carbon atom, contains 3 or 4 carbon atoms, or a mineral-acid salt of the base is reacted with a salt of such an aralkyl carboxylic acid in a manner known per se.

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DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat
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Basic Patent (No,Kind,Date): PR 2296420 A1 760730 <No. of Patents: 001>

Patent Family:

Patent No	Kind	Date	Applic No	Kind	Date
FR 2296420	A1	760730	FR 7534	A	750102 (BASIC)

Priority Data (No,Kind,Date):

FR 7534 A 750102

PATENT FAMILY:

FRANCE (FR)

Patent (No,Kind,Date): FR 2296420 A1 760730

NOUVEAUX DERIVES DE MORPHINE DOUES DE PROPRIETES ANTITUSSIVES ET
ANALGESIQUES (French)

Patent Assignee: ESTEVE LABOR DR (ES)

Priority (No,Kind,Date): FR 7534 A 750102

Applic (No,Kind,Date): FR 7534 A 750102

IPC: * A61K-031/485; C07D-489/04

CA Abstract No: * 88(01)007171G

Derwent WPI Acc No: * C 76-83646X

Language of Document: French

FRANCE (FR)

Legal Status (No,Type,Date,Code,Text):

FR 7500034	AN 760730	FR AGA	FIRST PUBLICATION OF APPLICATION (DELIVRANCE (PREM. PUB. DEMANDE DE BREVET))
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FR 7500034	AN 770318	FR 2296420 A1 760730	LAPSED (CONSTATATION DE DECHEANCES)
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FR 2296420	PN 750102	FR AE	APPLICATION DATE (DATE DE LA DEMANDE)
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DIALOG(R)File 351:Derwent WPI
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WPI Acc No: 1976-83646X/197645

N-sulphoalkyl morphinium inner salts - as non-addictive antitussives and
analgesics

Patent Assignee: LAB DEL DR ESTEVE (LDEV)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
FR 2296420	A	19760903				197645 B

Priority Applications (No Type Date): FR 7534 A 19750102

Abstract (Basic): FR 2296420 A

New morphin derivs. of formula (I): (n=3 or 4), are prep'd. from
morphin base by reaction in aq. medium with appropriate sulton.
(I) are antitussives and analgesics useful for treating respiratory
disorders (e.g. rhino-pharyngitis, laryngitis, etc) and pain (e.g.
dental, articular or muscular). The i. p. LD50 (animal not specified)
is 2,150 mg/kg. c.f. 370 mg/kg for morphine hydrochloride and in mice a

doze of 1 g/kg does not cause addiction (as determined by response to a subsequent injection of nalorphine). Proposed human dose is 10-30 mg/day.

Derwent Class: B02

International Patent Class (Additional): A61K-031/48; C07D-489/04